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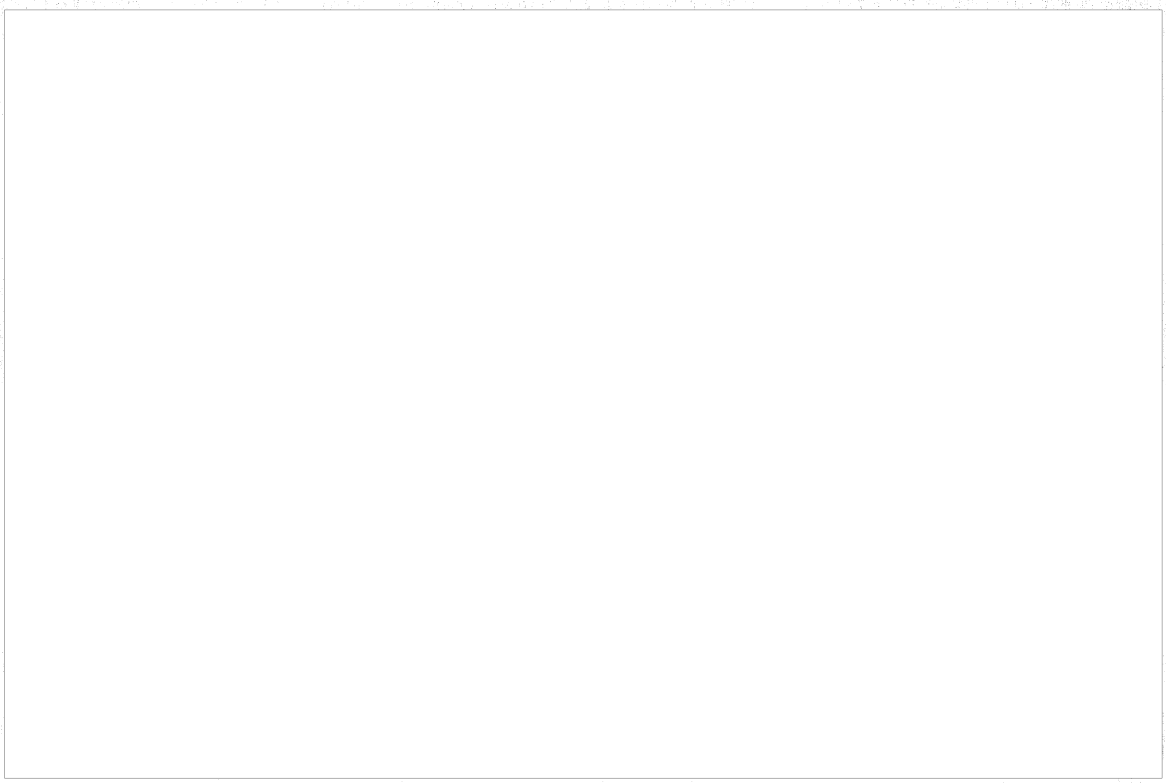

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Stanki i instrument
Moscow, Jan - Dec 1943

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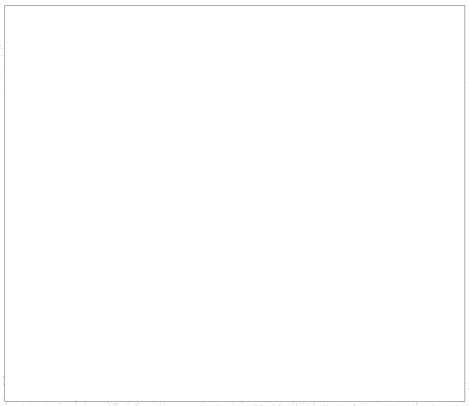

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1943

Vol 14, No 1-2, 1943

VIATKIN, A. Ye., ~~engineer~~
Deputy People's Commissar of Machine-Tool Building USSR
"Immediate Objectives of the Machine-Tool and Tool Industry in 1943"

LAPSHIN, Yu. B., Engineer
NIIMS
"Combination Machine-Tools Under War Time Conditions"

KONKOV, K. A.
Candidate in Technical Sciences
"~~Cutting~~ Internal-Tooth Gears ~~on a Worm-Milling Machine~~"

POLIVANOV, P. M.
"Selective Roller Clutches"

AKTOV, N.V.
"A Self-Clamping Housing"

SOKOLOV Ye. F.
"Pneumatic 3-Jaw Lever Chucks"

LOZINSKIY, M. G.
"~~Welding of Blades~~ of Super-Hard Alloys on Cutters by Heating with High Frequency Current"

VLADZIYEVSKIY, A. P.
"Reconditioning of Defective Refractory Crucibles for Lead and Salt Tanks by Welding"

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POLIVANOV, P. N.

"Look for the Box Containing the Electric Apparatus of a Metal-Cutting Machine Tool"

GOLOMIDOV, N. I., Engineer

Stankinprom

"Suggestions of a Production Worker"

~~A. Ly. Reporter~~

"Automatic Device for Widening the Hole in a Bushing"

~~A. Ly. Reporter~~

"Centerless Grinding of a Bushing with Flanges"

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STANKI I INSTRUMENT

1943

Vol 14, No 3, March 1943

KAREV, K. A., Engineer
Bureau of Interchangeability, NK Machine-Tool Building
"Tolerances for Height, Depth and Slope Gauges; Graduated Gauges and Calibrating Gauges for Them"

SHISHKOV, V. A., Engineer
"Setting Up the Profile of a Tool or Work Piece by the Graphic Rolling Method"

VASIL'YEV, D. T., Candidate in Technical Sciences
"New Methods of Machining Metals Instead of Milling"

KORNILOV, K. A., Candidate in Technical Sciences
"How to Increase the Durability of a Gear"

REKSHINSKAYA, T. P., Engineer
"The Susceptability to Polish of Low-Alloy Tool Steels"

SHVYREV, B. S.,
GEL'FAND, K. M., Engineers
"Solder for Welding Blades to Cutters Made of Low-Alloy High-Speed Steel"

NOSKOV, S. Ye., Engineer
"Reading of Cutters with High-Speed Steel Waste"

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SHISHKOV, V. A., Engineer

ENIMS

"Measuring Worm Rollers"

MANSVETOV, G. P., Engineer

"On the Problem of Making Chrome-Plated Thread Gages"

POLIVANOV, P. M., Engineer

"A Holder for the Die and ~~the Screw~~-Tap on a Turret Lathe"

RAUZEN, Yu. L., Engineer

"Grinding ~~Holes~~ on Mang ~~Combers~~"

MAYOROV, A., Engineer

Ul'yanovsk, Kuybyshev Oblast

"A Multipurpose Instrument for Checking Cutting Tools"

PAVLYUCHENKO, A. Ye., Engineer

"Pneumatic Chucks with Combined Cylinders and Pistons"

POLIVANOV, P. M., Engineer

"A Ratchet Wrench"

NOVOSAD, K. F., Engineer

"A Rotating Attachment for Drilling Large Parts"

NOVOSAD, K. F., Engineer

"An Attachment for Checking the Perpendicularity of ~~the Travel of~~ ~~the Transverse~~ Slide on a Turret Lathe Relative to the Spindle Axis"

GOLOMIDOV, N. I., Engineer

"Fibrous Faces for Holding Parts Being Worked in a Jaw Vise"

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FOREIGN TECHNIQUES

A. L., Reporter

"Special Attachment for Broaching an Aperture" (From Machinery)

~~A. L. reviews six other short items from British and American journals.)~~

GORODETSKIY, I. E., Professor

Bureau of Interchangeability NKTP

"Question and Answer Column"

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KUDROV, S. N.

Senior Scientific Associate at the ENIMS

Review of Diamondless Truing of Grinding Wheels

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1943

Vol 14, No 4-5, April-May 1943

YEFIMOV, A. I.,

Peoples' Commissar of Machine-Tool Building USSR

"For a Further Upswing in the Machine-Tool and Tool Industry"

DUSHMAN, I. Ye.,

STAYEV, K. P.,

AFANASOVICH, S. A., Engineers, Stalin Prize Winners

"Results of the Work of the Second All-Union Conference of Tool Workers"

GULYAYEV, A. P., Professor, Doctor of Technical Sciences

I. [illegible] for Production of Steels

"Theory of High-Speed Steel and Modern Low-Alloy and High-Speed Steels"

OSIPOV, K. A., Candidate in Technical Sciences

Excerpt from his report on New Grades of Low-Alloy High-Speed Steel

"High-Speed Steel with Titanium"

GELLER, Yu. A., Candidate of Technical Sciences

Excerpt from his report:

"Low-Alloy High-Speed Steel Grade 6-2-1"

IVANOV, A. G., Engineer

Excerpt from his report:

"High-Speed Steel Grade EI347"

KOSTYEV, S. A., Doctor of Technical Sciences

Excerpts from his report on:

"High Speed Steel Grades I743 and I823"

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KASPAROV, A. I., Engineer

Excerpts from his report:

"Hard Alloys"

II. DESIGN OF TOOLS

SAKHAROV, G. N., Candidate in Technical Sciences

"Tools for Producing Munitions"

VOROB'YEV, V. M., Engineer

Excerpt from his report:

"Compiling Designs of Tools for Producing Munitions"

PONOMAREV, S. I., Engineer

BERLINER, M. S., Engineer

KUSHNER, Z. Yu., Engineer

Excerts from their reports on:

"Tools for Machining Holes

NOVIKOV, S. F., Candidate in Technical Sciences

Excerpt from his report:

"Results of Research on Factors Influencing the Precision of Round Dies"

VASIL'YEV, S. V., Engineer

Excerpts from his report:

"Rolling-Out of Minethrower Tubes"

KOVALENKO, Engineer

Excerpt from his report:

"A Broach for Progressive Cutting"

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III. TECHNOLOGY OF MANUFACTURING TOOLS

DAGDAT'YEV, K. G., Engineer

Excerpts from his report:

"New Method for Making Twist Drills of 3-6 Millimeters Diameter"

DUKSHTEYN, I. Ye., Stalin Prize Winner

Excerpts from his report:

"New Technology for Making Files"

TECHNOLOGICAL IMPROVEMENT AT PLANTS

CHISTOV, A. B., Engineer

Excerpt from his report:

"The Gor'kiy Order of Lenin Automobile Plant imeni Molotov"

SVERDLOV, S. B.,

Excerpts from his report:

"The Plant imeni Komintern"

VOLOSHIN, A. M.

Excerpts from his report:

"Automobile Plant imeni Stalin - ZIS"

LAVRENT'YEV, S. A., Candidate in Technical Sciences

Excerpts from his report:

"The Machine-Tool Plant imeni Lenin"

SERK, O. A.

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"Manufacture of Drills with Welded Blades"

PANOV, A. A., Engineer

Excerpts from his report:

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"Working Regime and Selection of Wheels for Thread Grinding"

PANOV, A. A., Engineer

Excerpts from his report:

"Sharpening and Polishing Tools"

KIZEL'SHTEYN, Engineer

Excerpts from his report:

"Polishing Hard Alloys"

NAZAROV, I. N.,

VAYNSHTEYN, S. A., Professors; Stalin Prize Winners

Excerpts from their reports:

"Ceramic Cement and Its Use in Tool Production"

REVIS, M. A., Engineer

Excerpts from his report:

"Casting of Double-Layer Tools"

KOLESNIKOV, N. K., Engineer

Excerpts from his report:

"Making Cutting Tools by Electric Arc Welding"

GOLOVACHEV, A. P., Engineer

Excerpts from his report:

"Making Tools with Inserted Teeth"

IV. HEAT TREATMENT OF TOOL STEELS

GELLER, YU. A., Candidate in Technical Sciences

Excerpts from his report:

"The Use of Various Grades of High-Speed Steel in Industry"

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CHIRIKOV, V. T.,

YAKHONIN, N. Ya.,

GARASHCHENKO, A. P., Engineers

Excerpts from their reports:

"Nitro-Cementation and Cyaniding"

GRUDOV, P. P., Candidates in Technical Sciences

(Bureau of Technical Standardization NKSS)

"Reserves in Tool Geometry"

FROM PLANT PRACTICE

MALENKIH, A. I.

"A Chuck for Undercutting Faces of Adjustable Nuts at the Base of the Thread"

NOVOSAD, R. F., Engineer

"An Attachment for Manual Cutting of Small Nuts"

GOLOMIDOV, N. I.

Stankinprom

"Manual Undercutting of Faces"

POLIVANOV, P. M., Engineer

"Using Old Drills for Counterbores"

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"Boring Tempered Parts"

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1943

Vol 14, No 6, June 1943

SHTERN, L. T., Engineer

"Utilization of Multipurpose Machine Tools Rather Than Specialized"

GRUDOV, P.P., Candidates in Technical Sciences

Bureau of Technical Standardization NKSS

"Reserves in Tool Geometry" (Conclusion)

SHTEYNMAN, V. V., Engineer

"Improving the Quality of Parts and their Restoration through Metallization"

FRUMIN, Yu. L.

"Reducing Secondary Time Losses in Tool Setting"

BYBYSHEV, V. T., Engineer

Glavstankoprom

"New Cables for Machine-Tool Wiring"

FROM PLANT PRACTICE

SHTERN, L. T., Engineer

Krasnyy Proletariy Plant

"Technology of Making Parts from Bronze Substitutes"

GUS'KOV, B. S., Engineer

"Manufacture of Worm Racks"

LEONOV, B. M.

"A New Type of Draw-in Chuck for Ordinary and Turret Lathes"

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KOZLOV, M. P.

"Making a Duplex Air Cylinder

BREYEV, B. T., Engineer

"How Can a "Blind" Bushing be Extracted?"

NOVOSAD, R. F., Engineer

"Indicator for Depth of Drilling"

MALINKIN, A. I.

"Self-Adjusting Chuck for Grinding Thin-walled Parts"

GALOCHKIN, G.

"Grinding Wedges on a Lathe Instead of Scraping Them"

GALOCHKIN, G.

"Changeable Cams"

FOREIGN TECHNIQUES

A. L., Reporter

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Vol 14, Nos 7-8, July-August 1943

KATINSKIY, F.F., Engineer

Stankinprom

"Fitting-Out Drilling Machines"

DOLMATOVSKIY, G. A., Engineer

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"Accessories for Lathes"

GOLOMIDOR, N. I., Engineer

"Features of Series Assembly of Machine-Tools"

DIMSHITS, Ye. S., Engineer

"Restoration and Replacement of Texrope V-Belts"

LARIN, M. N., Candidate in Technical Sciences,

Stalin Prize Winner

MVTU imeni Bauman

"Research on the Optimum Back Angle for Cutting Tools"

FROM PLANT PRACTICE

CHIRKOV, A. V.

"Production of Noiseless Gears for Use in Repair"

MALINKIN, A. I.

"An Attachment for Knurling Index Grooves on a Disk"

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"Multiple Boring of Machine-Tool Parts"

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"On the Tenth Anniversary of the Experimental Scientific-Research Institute of Metal-Cutting Machine-Tools - ENIMS"

ERPSHER Yu. D., Stalin Prize Winner
Head of the Combination Machine-Tools Bureau ENIMS
"Means of Developing Combination Machine Tools"

CHIKHACHEV, S. A., Engineer
ENIMS
"Stages in the Development of the Technology of Machine-Tool Building"

KUSHNER, Z. Yu., Engineer
ENIMS
"A High-Duty Boring Tool"

DEGTYARENKO, N. S., Engineer
"The Geometry of Drill Sharpening"

GAL'PERIN, S. I., Engineer
"Honing Deep Apertures in Modernized Lathes"

BARZAM, R. B., Engineer
"An Attachment for Centerless Grinding on Cylinder and Cone Grinding Machines"

YERES'KO, P. T.
(Plant Imeni Voroshilov)
"A Special Mandrel for Grinding Protochka Parts Under the Thread Level"

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POLIVANOV, P. M.

(Plant imeni Ordzhonikidze)

"Counterbore for Machining Ends of Levers Under Handles"

POLSIKOV, V. S., Engineer

"Oscillating Brackets for Shaper Cutters on Automatics"

KEDROV, S. M., Candidate in Technical Sciences

Review of P. Ye. D'yachenko

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Vol 14, Nos 11-12, November-December 1943

CHELUKHOV, M. V.

Deputy Peoples' Commissar of Machine-Tool Building USSR

"Measures to Improve Tool Making"

LARIN, M. N., Candidate in Technical Sciences, Stalin Prize Winner

MVTU imeni Bauman

"Research on the Optimum Front Angle for Cutting Tools"

GELLER, Yu. A., Candidate in Technical Sciences

NOVIKOV, O. A., Engineer

"Welding High-Speed Steel in Voltaic Arc"

KUSINER, Z. Yu., Engineer

ENIMS

"A High-Duty Boring Tool" (Conclusion)

MINDLIN, Ya., Engineer

"A New Method of Polishing Reamers"

ACHERKAN, N. S., Professor

"Designing Formers for Milling Profile Mills Having Extremely Sharp Teeth and Constant Face Width"

RESHETOV, D. N., Candidate of Technical Sciences

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"Stepless Friction Transmissions"

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PEN'KOV, P. M., Engineer

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"Computing Tractive Force of Feed Mechanism"

KAREV, K. A., Engineer

Bureau of Interchangeability of the Peoples' Commissariat of Machine-Tool Building USSR

"Standards for Consumption of Plane Limit Gages and Fixed Thread Gages"

~~FROM PLANT PRACTICE~~

KUROV, S. M.

"A New Type of Floating ~~Sheers~~"

FOMIN, P. Yo.

"An Emulsion for the Hydraulic Units of Metal-cutting Machine Tools"

DEGTYARENKO, N. S., Engineer

"The Geometry ~~of Sharpening~~ Milling Cutters"

LEVCHENKO, A. M., Engineer

"~~Equipping~~ a Machine-Tool for Drilling Deep Holes"

BABCHINITSER, M. I., Candidate ~~in~~ Technical Sciences

(NKV)

"Selecting the Diameter of a Grinding Wheel for ~~Sharpening~~ Multi-Edged Cutting Tools"

DEGTYARENKO, N. S.,

From Experience at the Tomsk ~~Red Banner of Labor~~ Tool Plant

"Nitrocementation of Cutting Tools"

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KOZLOV, M. P.

"A Mandrel With Self-Setting Parts for Apertures and Ends"

FOM, P. Ye.

"Special Tongs for Sealing Diamonds in a Mandrel by means of a Voltaic Arc"

PANFAROV, Yu.

Molotov, Molotov Oblast

"The Question of Tolerances in Depth and Height Measurements"

PRUSHKOV, B. T.

"Cutting Regime for Machining S[illegible] Steel"

DOMINCHAK, A. F.

"A Multi-Purpose Attachment for Marking Out Operations"

MALKIN, L. A.

"Renovation of Dies"

FOREIGN TECHNIQUES

(Reporter A. Lashchaver Reviews six short items from British and American journals.)

QUESTION-AND-ANSWER COLUMN

VASIL'YEV, D., Candidate of Technical Sciences

GORODETSKIY, I. Ye., Professor

Director of the Bureau of Interchangeability NKSS [People's Commissariat of Machine-Tool Building]

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SLEPAK, A. V., Docent

"Review of G. A. Fraymovich, Pamyatka sverlovshchika"

(Notes from a Drilling Machine Operator)

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